

**Mississippi Department of Environmental Quality
Enforcement and Compliance Assurance Project # X82912301
Exchange of PCS Data from Mississippi's System to EPA
Quarterly Report for the period ending 06/30/2003**

Summary and background

The Mississippi Department of Environmental Quality (MDEQ) is implementing an integrated environmental information management system, *enSite*¹ to fully support its regulatory programs across media. MDEQ is successfully implementing *enSite* with limited funding by building upon successes in other states. Mississippi purchased American Management System's TEMPO² software for its *enSite* system and is making minimal modifications necessary to meet needs unique to Mississippi. Further, through the growing number of states acquiring TEMPO³, states are able to leverage enhancements that are beneficial to multiple states.

As MDEQ implements specific program features in *enSite* that support EPA program data, such as EPA's Permit Compliance System (PCS) data, MDEQ will no longer utilize the corresponding EPA database as Mississippi's internal data management system. MDEQ and EPA Region 4 have recognized with foresight that business process changes will be required with Mississippi's move to *enSite*. Other States that implement TEMPO within their NPDES program will be faced with the same dilemma.

It is the goal of MDEQ to share more accurate and more comprehensive enforcement and compliance data with EPA by providing information from *enSite* to EPA for its regulatory program needs. By leveraging work being performed in New Jersey, Mississippi will develop an IDEF interface from *enSite* into PCS. This interface will be available to other TEMPO states for their interface needs.

The following activities were conducted during the period of January 1, 2003 through March 31, 2003.

¹ *electronic* Environmental Site Information System

² Tools for Environmental Management Protection Organizations

³ An earlier version of this software, NJEMS was implemented in New Jersey. There is some compatibility between the NJEMS and TEMPO systems.

Work Status

During this reporting period, the new enSite release with water enhancements was accepted. Development of the IDEF software was completed. Acceptance testing will take place in July, with acceptance projected for August 2003.

Dates for acceptance testing are as follows:

- AMS setup: week of June 23rd
- Week 1: July 8, 2003 - July 11, 2003
- Week 2: July 15, 2003 - July 18, 2003
- Week 3: July 22, 2003 - July 25, 2003
- MS verification testing – Aug 12, 2003 – Aug 14, 2003

Kentucky Acceptance testing will follow after the MS testing.

Work Progress

Task	Dates	Status
JAD Sessions	August 13 – 16, 2002	Completed
Draft Design Due from AMS	September 3, 2002	Completed
MDEQ Review Draft Design	September 3 – 23, 2002	Completed
MDEQ Coordination call with other States on draft design	September 19, 2002	Completed
MDEQ Comments on Draft Design due to AMS	September 23, 2002	Completed
AMS revise and deliver final design based on MDEQ and state comments	September 24 – October 4, 2002	Completed
Review and approve Waste and Water Final Design (MDEQ)	October 7 – 18, 2002	Completed
Demonstration and Build #1	December 2, 2002	Completed
Deliver test scripts and data	January 1, 2003	Completed
Demonstration and Build #2	January 10, 2003	Completed
Design Change Process Ends (AMS and MDEQ)	January 15, 2003	Completed
New database instances available (MDEQ)	February 3, 2003	Completed

IDEF Design Review JAD	February 11 – 14, 2003	Completed
Demonstration and Build #3 (AMS and MDEQ)	March 4, 2003	Completed
Acceptance tester training (AMS and MDEQ)	March 4, 2003	Completed
Acceptance testing (AMS and MDEQ)	March 4-7, 2003 March 11-14, 2003 March 18-21, 2003 March 25-28, 2003	Completed
Final IDEF Design	March 17, 2003	Completed
Punch list (AMS and MDEQ)	March 28, 2003	Completed
IDEF Development/Internal Testing (AMS)	February 26-July 7, 2003	In progress

Difficulties Encountered

KY has made decisions for its Water Functionality that allowed them to participate in the design of the IDEF system, eliminating the challenges that would have been faced had their water implementation against which IDEF will be pulling data been unknown.

The NJ design did include several critical gaps for MS and KY. These gaps were primarily due to the differences in the MOA's between the States and their regions. These gaps are being addressed, but have impacted the development schedule, as noted above.

Preliminary Data Results

Significant enhancements have been developed to support NPDES permit writing and Discharge Monitoring Report (DMR) functionality, but no significant enhancements for additional data to support the existing PCS were identified. Some enhancements to support compliance and enforcement have also been implemented to support Mississippi in the areas of compliance assurance for DMRs.

Activities Anticipated Next Reporting Period

Activities anticipated during the next reporting period include the following:

- Accept testing and IDEF software acceptance;
- Complete training plan, SOPs, reference table data, etc. for water release;
- Begin training for new water release;

Expenditures and Project Schedule

Contractual expenditures to date are as follows:

Date	Invoice #	Description	1026
February 25, 2003	28310017	IDEF Interface Draft	900.00
April 17, 2003	283D0008	IDEF Final Design	35,100.00

The project schedule has “slipped” approximately 3-4 weeks. Because a 10% retainage is held until the end of the 90-day warranty period, MDEQ is requesting a time extension on the grant to 12/31/2003 to accommodate the 3-4 week schedule revision.